

IN THE CLAIMS

Please amend claims 1 and 14 as indicated.

1. (Currently Amended) A web cut-off assembly for a rewinder apparatus, comprising:

a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades retractably mounted on said bedroll, said bedroll blades moveable from a retracted position to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a radius circular circumference surface of said chopper roll, said first and second blades rotationally intermeshing with said bedroll blades in said web cutting event;

said first blade extending from said chopper roll radius circular circumferential surface at an angle having a tangential and a radial component; and

said second blade having a blade tip segment extending from said chopper roll radius circular circumferential surface at an angle having a tangential and a radial component and resiliently mounted to said chopper roll so as to have a resiliency greater than that of said first blade.

2. (Previously Presented) A web cut-off assembly for a rewinder apparatus, comprising:

a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades retractably mounted on said bedroll, said bedroll blades moveable from a retracted position to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a circumference surface of said chopper roll, said first and second blades rotationally intermeshing with said bedroll blades in said web cutting event;

said first blade extending from said chopper roll circumferential surface at an angle having a tangential and a radial component;

said second blade having a blade tip segment extending from said chopper roll circumferential surface at an angle having a tangential and a radial component and resiliently mounted to said chopper roll; and

wherein said blade tip segment of said second blade is non-parallel to said first chopper roll blade.

3. (Previously Presented) The web cut-off assembly as in claim 2, wherein said blade tip segment of said second blade is angled towards said first chopper roll blade.

4. (Previously Presented) The web cut-off assembly as in claim 3, wherein said blade tip segment of said second blade is disposed in a plane that crosses a plane in which said first chopper roll blade is disposed at an angle of between about 18 degrees to about 28 degrees.

5. (Original) The web cut-off assembly as in claim 1, wherein said first and second blades comprise blade tips spaced apart a distance greater than a distance between said bedroll blades.

6. (Previously Presented) A web cut-off assembly for a rewinder apparatus, comprising:

a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades retractably mounted on said bedroll, said bedroll blades moveable from a retracted position to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a circumference surface of said chopper roll, said first and second blades rotationally intermeshing with said bedroll blades in said web cutting event;

said first blade extending from said chopper roll circumferential surface at an angle having a tangential and a radial component; and

wherein said second blade comprises a second segment angled with respect to said blade tip segment which is spaced from and generally tangential to said chopper roll.

7. (Original) The web cut-off assembly as in claim 6, comprising an angle greater than about 90 degrees between said second segment and said blade tip segment.

8. (Previously Presented) The web cut-off assembly as in claim 6, wherein said second blade comprises a third segment angled from said second segment in a direction opposite to said blade tip segment.

9. (Original) The web cut-off assembly as in claim 8, comprising an angle greater than about 90 degrees between said third segment and said second segment.

10. (Original) The web cut-off assembly as in claim 9 wherein said third segment is generally parallel to said chopper roll first blade.

11. (Original) The web cut-off assembly as in claim 10, wherein said third segment is mounted against said first blade.

12. (Original) The web cut-off assembly as in claim 11, wherein said third segment is mounted between said first blade and said chopper roll.

13. (Original) The web cut-off assembly as in claim 1, wherein said bedroll blades extend radially from said bedroll.

14. (Currently Amended) A web cut-off assembly for a rewinder apparatus, comprising:

a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades moveably mounted on said bedroll, said bedroll blades moveable from a recessed position radially within said bedroll to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a radius circle circumference surface of

said chopper roll, said first and second blades spaced so as to rotationally intermesh with said bedroll blades in said web cutting event;

said first blade being a cutting blade and non-movably fixed to said chopper roll;
and

said second blade resiliently mounted to said chopper roll so as to have a greater degree of resiliency as compared to said first blade.

15. (Previously Presented) A web cut-off assembly for a rewinder apparatus, comprising:

a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades moveably mounted on said bedroll, said bedroll blades moveable from a recessed position radially within said bedroll to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a circumference surface of said chopper roll, said first and second blades spaced so as to rotationally intermesh with said bedroll blades in said web cutting event;

said first blade being a cutting blade and non-movably fixed to said chopper roll;

said second blade resiliently mounted to said chopper roll; and

wherein said first blade of said chopper roll extends from said chopper roll circumferential surface at an angle having a tangential and a radial component, and said second blade extends from said circumferential surface of said chopper roll in a non-parallel relationship to said first blade.

16. (Previously Presented) The web cut-off assembly as in claim 15, wherein said second blade is angled towards said first blade and has a length so as to engage and stretch the web material across said bedroll blades prior to said first blade entering between said bedroll blades and severing the web material.

17. (Original) The web cut-off assembly as in claim 16, wherein a distance between tips of said first blade and said second blade is greater than a distance between said bedroll blades.

18. (Previously Presented) A web cut-off assembly for a rewinder apparatus, comprising:

a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades moveably mounted on said bedroll, said bedroll blades moveable from a recessed position radially within said bedroll to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a circumference surface of said chopper roll, said first and second blades rotationally intermeshing with said bedroll blades in said web cutting event;

said first blade extending from said chopper roll circumferential surface at an angle having a radial and a tangential component ; and

said second blade having a blade tip segment extending from said chopper roll circumferential surface in a non-parallel relationship with said first blade and having a

length so as to engage and stretch the web material across said bedroll blades prior to said first blade entering between said bedroll blades to sever the web material.

19. (Previously Amended) The web cut-off assembly as in claim 18, wherein said blade tip segment is angled towards said first blade.

20. (Original) The web cut-off assembly as in claim 18, wherein said first blade and said blade tip segment of said second blade comprise tips spaced apart a distance greater than a distance between said bedroll blades.

21. (Original) The web cut-off assembly as in claim 18, wherein said second blade further comprises a middle segment angled from said blade tip segment and extending generally transversely to said chopper roll.

22. (Original) The web cut-off assembly as in claim 21, wherein said second blade further comprises a base segment mounted to said chopper roll against said first blade.

23. (Previously Presented) A web cut-off assembly for a rewinder apparatus, comprising:

a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades moveably mounted on said bedroll, said bedroll blades moveable from a recessed position radially within said bedroll to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a circumference surface of said chopper

roll, said first and second blades rotationally intermeshing with said bedroll blades in said web cutting event;

said first blade extending from said chopper roll circumferential surface at an angle having a tangential component with respect to said chopper roll; and
said second blade having a blade tip segment extending from said chopper roll circumferential surface at an angle having a tangential component with respect to said chopper roll but not parallel with said first blade, said second blade also having a middle segment angled from said blade tip segment and providing said second blade with a degree of resiliency, and said second blade further comprising a base segment mounted to said chopper roll against said first blade.